

IN THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) Aluminium-magnesium alloy product for welded mechanical construction, having the following composition, in weight percent: [[-]]

Mg 4.0 ~~3.5~~ - 6.0

Mn 0.4 - 1.2

Zn 0.4 - 1.5

Zr 0.25 max.

Cr 0.3 max.

Ti 0.2 max.

Fe 0.5 max.

Si 0.5 max.

Cu 0.4 max.

~~one or more selected from the group:~~

~~Bi — 0.005 — 0.1~~

~~Pb — 0.005 — 0.1~~

~~Sn — 0.01 — 0.1~~

~~Ag — 0.01 — 0.5~~

~~Sc 0.01 - 0.5; and~~

~~Li — 0.01 — 0.5~~

~~V — 0.01 — 0.3~~

~~Ce — 0.01 — 0.3~~

~~Y — 0.01 — 0.3~~

~~Ni — 0.01 — 0.3~~

~~impurities~~ ~~others~~ (each) 0.05 max. each

~~(total)~~ 0.15 max. total; and

balance aluminium.

2. (Currently Amended) Aluminium-magnesium alloy product according to claim 1, wherein the ~~Bi~~ Mg content is in the range of 0.01 to 0.1 wt. %, and preferably 0.01 to 0.05 4.0 to 5.6 wt. %.

3. (Currently Amended) Aluminium-magnesium alloy product according to claim 1 [or 2], wherein the ~~Li~~ Mg content is in the range of ~~0.1 to 0.3~~ 4.6 to 5.6 wt.%.

4. (Currently Amended) Aluminium-magnesium alloy product according to ~~any one of claims 1 to 3~~ claim 1, wherein the ~~Mg~~ Zn content is in the range of ~~4.0~~ 0.4 to ~~5.6~~ 0.9 wt.%.

5. (Currently Amended) Aluminium-magnesium alloy product according to claim ~~4~~ 1, wherein the ~~Mg~~ Zn content is in the range of ~~4.6~~ 0.5 to ~~5.6~~ 0.9 wt.%.

6. (Currently Amended) Aluminium-magnesium alloy product according to ~~any one of claims 1 to 5~~ claim 1, wherein the ~~Zn~~ Zr content is in the range of ~~0.4~~ 0.05 to ~~0.9~~ 0.25 wt.%.

7. (Currently Amended) Aluminium-magnesium alloy product according to ~~any one of claims 1 to 6~~ claim 1, wherein the Zr content is in the range of 0.05 to ~~0.25~~ 0.20 wt.%.

8. (Currently Amended) Aluminium-magnesium alloy product according to ~~any one of claims 1 to 7~~ claim 1, wherein the Zr content is in the range of 0.10 to 0.20 wt.% ~~product is provided in the form of a rolled product, an extruded product or a drawn product.~~

9. (Currently Amended) Aluminium-magnesium alloy product according to ~~any one of claims 1 to 8~~ claim 1, wherein the Sc content is in the range of 0.01 to 0.3 wt.% ~~having a temper selected from a soft temper and a work-hardened temper.~~

10. (Currently Amended) ~~Welded structure comprising at least one welded plate or extrusion made of aluminium-magnesium~~ Aluminium-magnesium alloy product according to ~~any one of claims 1 to 9~~ claim 1, wherein the Sc content is in the range of 0.1 to 0.5 wt.%.

11. (Currently Amended) ~~Welded structure~~ Aluminium-magnesium alloy product according to claim ~~1~~ 10, wherein the Sc content is in the range of 0.1 to 0.3 wt.% ~~proof strength of the weld of said plate or extrusion is at least 140 MPa.~~

12. (Currently Amended) ~~Welded structure~~ Aluminium-magnesium alloy product according to claim ~~1~~ 10, wherein the Mn content is in the range of 0.4 to 0.9 wt.% ~~having an improved resistance to exfoliation resistance when sensitised for at least 10 days at 120°C.~~

13. (Currently Amended) ~~Welded structure~~ Aluminium-magnesium alloy product according to claim ~~1~~ 10, wherein the Mn content is in the range of 0.6 to 0.9 wt.% ~~having an exfoliation resistance of PA or better in an ASSET test in accordance with ASTM G66 and when sensitised in a soft temper for 20 days at 120°C.~~

14. (Currently Amended) ~~Welded structure~~ Aluminium-magnesium alloy product according to claim ~~1~~ 10, wherein the Fe content is in the range of 0.15 to 0.35 wt.% ~~having an exfoliation resistance of PA or better in an ASSET test in accordance with ASTM G66 and when sensitised in a work hardened temper for 16 days at 100°C.~~

15. (Currently Amended) ~~Welded structure~~ Aluminium-magnesium alloy product according to ~~any one of claims 10 to 14~~ claim 1, wherein the Fe content is in the range of 0.20 to 0.30 wt.% ~~welded structure is a marine vessel.~~

16. (Currently Amended) ~~Welded structure~~ Aluminium-magnesium alloy product according to ~~any one of claims 10 to 14~~ claim 1, wherein the Si content is in the range of 0.07 to 0.25 wt.% ~~welded structure is a container for land transportation.~~

17. (Amended) ~~Use of an aluminium-magnesium~~ Aluminium-magnesium alloy product according to ~~any one of claims 1 to 16 at an operating temperature greater than 80°C~~ claim 1, wherein the Si content is in the range of 0.10 to 0.20 wt.%.

Please add the following new claims.

18. (New) Aluminium-magnesium alloy product according to claim 1, wherein the Cr content is 0.15 wt.% max.

19. (New) Aluminium-magnesium alloy product according to claim 1, wherein the Cu content is 0.1 wt.% max.

20. (New) Aluminium-magnesium alloy product according to claim 1, wherein the product is provided in the form of a rolled product or an extruded product.

21. (New) Aluminium-magnesium alloy product according to claim 1, having a temper selected from O- temper and a work-hardened temper.

22. (New) Welded structure comprising at least one welded plate or extrusion made of aluminium-magnesium alloy product according to claim 1.

23. (New) Welded structure according to claim 22, wherein the proof strength of the weld of said welded plate or extrusion is at least 140 MPa.

24. (New) Welded structure according to claim 22, having an improved resistance to exfoliation when sensitised for at least 10 days at 120°C.

25. (New) Welded structure according to claim 22, having an exfoliation resistance of PA or better in an ASSET test in accordance with ASTM G66 and when sensitised in O temper for 20 days at 120°C.

26. (New) Welded structure according to claim 22, having an exfoliation resistance of PA or better in an ASSET test in accordance with ASTM G66 and when sensitised in a work hardened temper for 16 days at 100°C.

27. (New) Welded structure according to claim 22, wherein the welded structure is a marine vessel.

28. (New) Welded structure according to claim 22, wherein the welded structure is a container for land transportation.

29. (New) A method of use of an aluminium-magnesium alloy product according to claim 1, comprising exposing the product to an operating temperature greater than 80°C.

30. (New) Aluminium-magnesium alloy product for welded mechanical construction, consisting of, in weight percent:

Mg 4.0 - 5.6

Mn 0.4 - 1.2

Zn 0.4 - 1.5

Zr 0.25 max.

Cr 0.3 max.

Ti 0.2 max.

Fe 0.5 max.

Si 0.5 max.

Cu 0.4 max.

Sc 0.01 - 0.5, and

impurities 0.05 max. each

0.15 max. total; and

balance aluminium.